



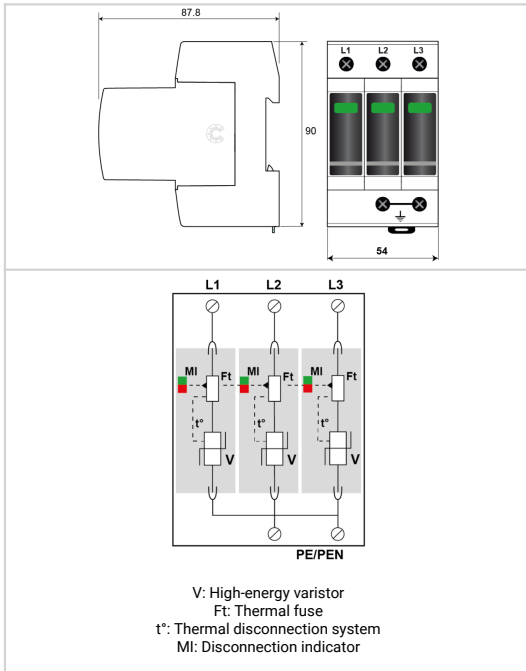
# CITEL

## Type 1+2 AC surge protector 3-phase

### DAC1-13-30-320



- ✦ Type 1 + 2 AC multipolar surge protector
- ✦ In: 20 kA
- ✦ Iimp: 12.5 kA
- ✦ Pluggable module for each phase
- ✦ Remote signaling (option)
- ✦ EN 61643-11, IEC 61643-11 certified
- ✦ UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	IEC	1+2
Network		230/400 V 3-phase
AC system		TNC
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	50 kA
Impulse current by pole max. withstand 10/350μs by pole	I <sub>imp</sub>	12.5 kA
Impulse current N/PE max. withstand 10/350μs	I <sub>imp</sub> N/PE	50 kA
Total lightning current max. total withstand @ 10/350μs	I <sub>total</sub>	37.5 kA
Specific energy by pole max. withstand 10/350 μs	W/R	40 kJ/ohm
Protection level L/PE @ In (8/20μs)	Up L/PE	1.6 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	1.5 kV
Admissible short-circuit current	I <sub>scrr</sub>	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Spare module(s)		MDAC1-13-320
Remote signaling of disconnection		option DAC1-13S-30-320: output on changeover contact
Dimensions		See diagram - 3 TE (EN43880)
Weight		0.560 kg
Disconnectors		
Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuse assembly: SFD1-13S-30 / or 125 A min. - 315 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		KEMA
Part number		
821710313		

